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ADDITIONS TO THE LIST OF KANSAS COLEOPTERA, 1913 TO 1915.

WARREN KNAUS.

RECENT additions to the Kansas Coleoptera have not been especially numerous. The writer has collected only in the central part of the state. The annual summer collecting parties of the State University have accumulated much material, but it has not been worked out to a sufficient extent to determine the new things to be added to the state list.

The present list is due largely, as was the last list, to the monographic work of Maj. Thomas L. Casey, of Washington, D. C., who has issued *Memoirs of Coleoptera* Nos. V and VI since 1912.

The entire list of additions to *Pachybrachys* are due to the monograph of this genus recently issued by H. C. Fall, of Pasadena, Cal. His monograph has cleared up many disputed points in the genus. The species taken in this state can now be identified with reasonable certainty.

1. *Geopinus fluviatilis* Csy. Medora. June.
2. *Nothopus valens* Csy. Medora. June and October.
3. *Stenomorpha scolopax* Csy. McPherson. June.
4. *Harpalus lustrans* Csy. Dodge City.
5. *Stenolophus captiosus* Csy. McPherson.
6. *Stenocellus congener* Lec. McPherson.
7. *Stenocellus festians* Csy. Sedgwick county.
8. *Triplectrus ovularis* Csy. Salina.
9. *Chalcophora cupreolas* Csy. Kansas.

The above are from *Memoirs of Coleoptera* No. V.

10. *Rhombonalia comes* Csy. Cheyenne, Rooks and Trego counties.
11. *Anomala stigmatella* Csy. McPherson.
12. *Anomala modulata* Csy. McPherson and Lucas.
13. *Anomala saginatula* Csy. Kansas.
14. *Anomala medorensis* Csy. Medora, Onaga and Benedict.
15. *Anomala (Hemispilota) lucicola* Fabr. Kansas.
16. *Strigoderma quarternaria* Csy. Kansas.
17. *Strigoderma obesula* Csy. Medora and Hutchinson.
18. *Cyclocephala rufifrons* Csy. Kansas.
19. *Cyclocephala teunicatis* Csy. Douglas county.
20. *Ligyrrus bicorniculatus* Csy. Kansas.
21. *Strategus (Strategodes) mormon* Burm. Medora. The writer took a pair of this very rare species, in May, 1913, in the sand hills near Medora. During the last season, 1915, eight specimens were

taken in the same locality. This is one of the largest and handsomest Scarabeids taken in the state, and is found in but few collections in the United States. Its range appears to be from Kansas to Texas, as the writer has a female specimen taken near Galveston, Tex.

22. *Euphoria herbacea* Oliv. var. Crawford and Bourbon counties.
23. *Euphoria (Haplophoria) clarki* Lec. Western Kansas.
24. *Euphoria (Haplophoria) wichitana* Csy. Wallace county. June and July.
25. *Euphoria (Haplophoria) texana* Schaaf. West Kansas, from Nebraska south.
26. *Euphoria kansana* Csy. Manhattan.
27. *Euphoria cuprascens* Csy. Medora.
28. *Cremastochilus incisus* Csy. Kansas.
29. *Cremastochilus gracilipes* Csy. Cheyenne county.
30. *Cremastochilus (Trinodia) setosifrons* Csy. Clark county.
31. *Trigonopeltastes delta* Forst. Bourbon county. Taken summer of 1915 by the State University collecting expedition.
32. *Trichiotinus*, sp. near *T. affinis* Gory. Taken summer of 1915 by State University collecting expedition.

The above species are from Casey's Memoirs of Coleoptera VI, except Nos. 21, 22, 31 and 32.

33. *Pachybrachys arizonensis* Bow. Salina and Lawrence.
34. *Pachybrachys parvnotatus* Fall. Mead and Hamilton counties.
35. *Pachybrachys abdominalis* Say. Central and western Kansas.
36. *Pachybrachys diversus* Fall. All parts of the state.
37. *Pachybrachys sobrinus* Hald. Wallace, Salina, Medora.
38. *Pachybrachys impurus* Suffr. Onaga.
39. *Pachybrachys impurus umbrosus* Fall. Salina.
40. *Pachybrachys calcaratus* Fall. Salina.
41. *Pachybrachys peccans* Suffr. Medora, Mt. Hope.
42. *Pachybrachys postfasciatus* Fall. Douglas county.
43. *Pachybrachys vestigialis* Fall. Douglas county.
44. *Pachybrachys roboris* Fall. Salina.
45. *Pachybrachys tridens* Fall. Douglas county.
46. *Pachybrachys obsoletus* Suffr. Saline, Rawlins and Douglas counties.
47. *Pachybrachys liebecki* Fall. Medora, Hamilton and Clark Counties.
48. *Pachybrachys vittatus* Say. All parts of the state.
49. *Pachybrachys virgatus* Lec. Saline and Douglas counties.
50. *Pachybrachys dubiosus* Lec. Clark, Hamilton and Marion counties. June.
51. *Pachybrachys pawnee* Fall. Onaga, Medora, Saline and Wallace counties.
52. *Pachybrachys pallidipennis* Suffr. Fort Scott and Douglas county.
53. *Pachybrachys autolytus* Fall. Mead, Kansas; type, male. Also Medora, McPherson, Clark, Hamilton, Wallace, Douglas, Sedgwick, and Pottawatomie counties.
54. *Pachybrachys nigricornis* Say. Kansas.

- 55. *Pachybrachys carbonarius* Hald. Douglas, Pottawatomie and Wilson counties.
- 56. *Pachybrachys m-nigrum* Melsh. Kansas.
- 57. *Pachybrachys trinotatus* Melsh. Kansas.
- 58. *Pachybrachys luridus festivus* Fall. Type, a male from Salina.
- 59. *Pachybrachys instabilis* Fall. Kansas, in the Horn collection.
- 60. *Pachybrachys hepaticus* Melsh. Salina.

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